WORK INSTRUCTION

Title: Minor Repair of ICV/OCV Seal Area Surface Finish and Vessel Wall

Instruction No. CH.12 Rev. 0.1, April 2004 Page 1 of 5

Approved for Use by: Michael R. Brown Effective Date: 04/22/04

Applicable Drawings:

- 2077-500SNP (Sheets 1, 3, 4, 6, & 7) TRUPACT-II Packaging SARP Drawings
- 707-SAR (Sheets 1, 4, 5, & 6) HalfPACT Packaging SARP Drawings

SARP Requirements:

• Chapter 8.0. As required.

Tools Required:

- Lifting equipment
- Mass spectrometer leak detector
- Lid stands
- ICV/OCV vent port pressure relief tools
- ICV/OCV leak check tools
- Calibrated ultrasonic thickness (UT) gauge

Spare Parts Required:

None

Materials Required:

- 400 to 600 grit emery cloth (new and clean)
- Denatured alcohol or equivalent
- Lint-free rags

Safety Requirements:

Safety will be observed in accordance with site requirements.

Prerequisite Conditions:

ICV/OCV lid(s) must be removed for access to inner or seal surfaces.

Instruction Steps:

- This instruction is not required to be attached to the Maintenance Record but may be used as a checklist during performance of maintenance.
- Polishing should begin with 400 grit emery cloth and finish with 600 grit.

| Instru | ction No. CH.12 | Rev. 0.1, April 2004 | Page 2 of 5 |
|----------------|--|--|--|
| | | _ | |
| 1.0 U | sing alcohol and lint-fi | ree rags, thoroughly clean area t | to be repaired. |
| NOTE | : Sealing surface fi | nish shall be 125 micro inches o | r better. |
| (F 3.0 C | • | | |
| | ' seal test port sealing V seal test port sealin ' vent port sealing sur V vent port sealing su | g surface face | |
| 1.0 U | sing alcohol and lint-fo | ree rags, thoroughly clean area t | to be repaired. |
| NOTE | : Sealing surface fi | nish shall be 125 micro inches o | r better. |
| 3.0 C 4.0 V | Polish strokes should be lean repaired area to erify sealing surface in 1. On the OCV and be check as follows: Configure the Block off the be leading to be | ntegrity by performing one of the CV vent ports (as required), perform ack side of the penetration in the port leak test tool and connect on the vent port (must be in the around the tool/vent port interfact, the preceding polishing and test | e following substeps: form a seal surface leak on this check. the vent port (ICV or OCV). to a leak detector. te test range). the and check for leaks. |
| 4. | On the OCV and Release the Configure the Install the lease Pull a vacuum Spray helium | CV seal test ports (as required), ows: ICV/OCV as required to perform test tool and connect to a leak on on the seal test port (must be in around the tool/test port interfacts, the preceding polishing and test | n this check. detector. n the test range). e and check for leaks. |

| Instructi | on No. CH.12 | Rev. 0.1, April 2004 | Page 3 of 5 |
|--------------------------------|--|---|-------------------|
| | posed surfaces xposed surfaces | | |
| 2.0 Num | ber the location(s) or | ord UT measurements prior to po n Attachment 1, Data Sheet. s) on Attachment 1, Data Sheet. | lishing surfaces. |
| NOTE: | thickness is maintai | tep 4, take periodic UT measure ned equal to or greater than the licable flag note on the SARP dr | minimum thickness |
| NOTE: | ` , | annot be removed while maintai dishing and notify CH Packaging | • |
| 5.0 Clea | n repaired area to re | affected area until smooth. move residue. ments on Attachment 1, Data Sh | neet. |
| | on Requirements: | | |
| 2.0 Work 3.0 If use Main | instruction is listed of the contract instruction is listed of the cord instruction is listed of the cord. | bed on Maintenance Record. on Maintenance Record. Instruction CH.12, Attachment | • |
| 4.0 Dellu | ini leak test documer | ntation is attached to Maintenand | LE NECOIU. |

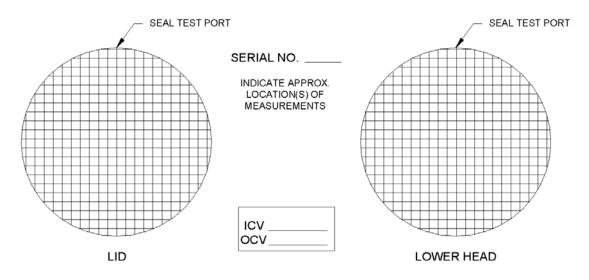
Attachment 1 Data Sheet

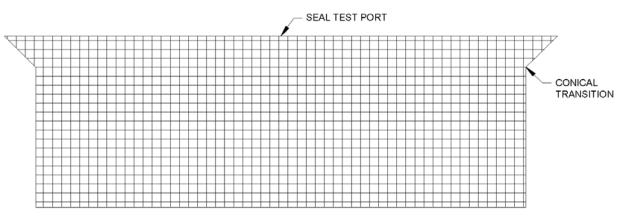
| Packaging S/N | Check One ☐ ICV ☐ OCV |
|--------------------------------|------------------------|
| Ultrasonic Thickness Gauge SN: | /Calibration Due Date: |

| Indication Number | Ultrasonic Thickness Before | Ultrasonic Thickness After |
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| QA. Date. |
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Attachment 1 Data Sheet





BODY